AMENDMENT

In the specification:

At page 4, lines 17-32:

In order to be able biotechnologically to produce the mixture of mistletoe lectins contained in mistletoe extracts, firstly the amino acid sequence of a pharmaceutically interesting mistletoe lectin was elucidated. For this, a mistletoe extract was obtained from *Viscum album L. ssp. platyspermum* Kell, which were harvested from poplars, and mistletoe lectin I was partially purified by affinity chromatography (Example 1). The subsequent analysis by sodiumdodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE), high performance liquid chromatography (HPLC) and sequence analysis by Edman degradation showed 2 MLA isoforms and 6 MLB isoforms.

Degenerate oligonucleotides were divided from short regions of the amino acid sequences, and by means of these the genomic mistletoe lectin I DNA sequence was determined using the polymerase chain reaction (PCR) process. Surprisingly, in spite of the many identified ML-I amino acid sequences, only a single nucleic acid sequence more less corresponding to these sequences was identified. By Southern blot analysis, it was confirmed that the ML-I gene occurs in only one copy per genome. Hence, the sequence variability of the MLA and MLB polypeptides is to be explained only by the occurrence of RNA editing or other posttranscriptional or posttranslational modifications in mistletoe cells.

At page 13, lines 4-7:

In a further reaction step, using specific oligonucleotides, the 5'- and 3'-lying sequences of the first amplification product were determined by means of the rapid amplification of cDNA ends (RACE) technique (Example 3). The oligonucleotide used for the 5'-RACE reaction has the following sequence: CAC AGC AGT ATT ACA GTC GAA (SEQ ID NO: 35)